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(54) Title: IMPROVEMENTS RELATING TO SEMEN PRESERVATION

(57) Abstract: The present invention provides a method for determining the suitability of a sample of mammalian semen for cooling and/or cryopreservation or storage, which comprises: (a) providing said sample of semen; (b) determining the level of a hydrophobic stimulator of 11 β -HSD activity in said sample; and (c) assessing, from the level of 11 β -HSD stimulator determined, the suitability of the semen sample for cooling and/or cryopreservation or storage. The present invention also provides a method of obtaining a hydrophobic product that improves the tolerance of mammalian semen to cooling and/or cryopreservation or storage, a method of improving the survival rate of sperm intended for cooling and/or cryopreservation or storage and a method of performing an assisted conception/reproductive procedure comprising contacting an oocyte with sperm obtained by a method according to the present invention.